

FIG. 2 (PRIOR ART)

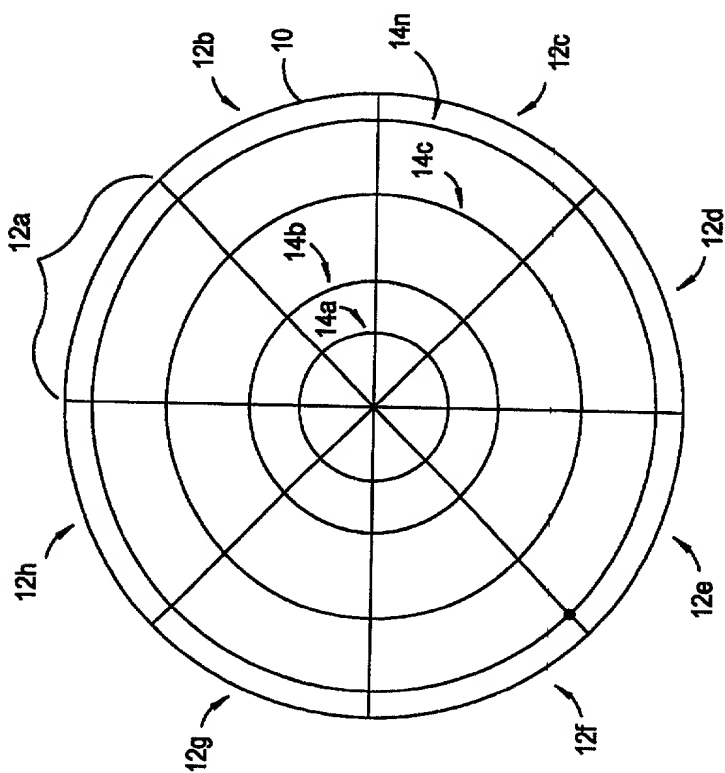


FIG. 1 (PRIOR ART)

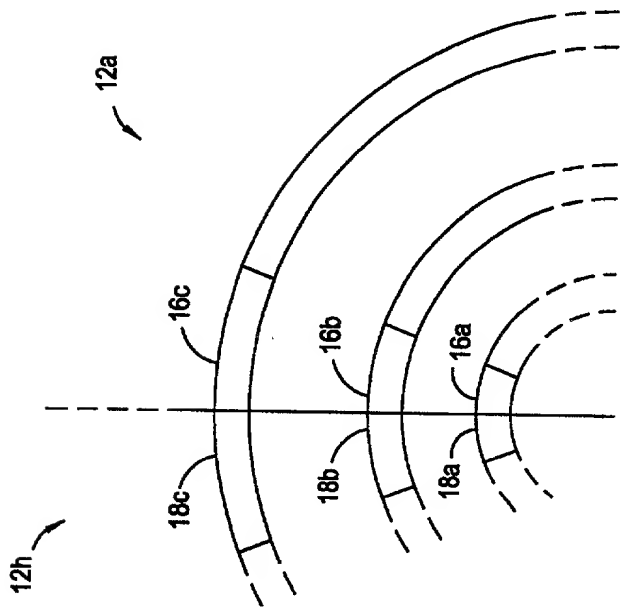


FIG. 3 (PRIOR ART)

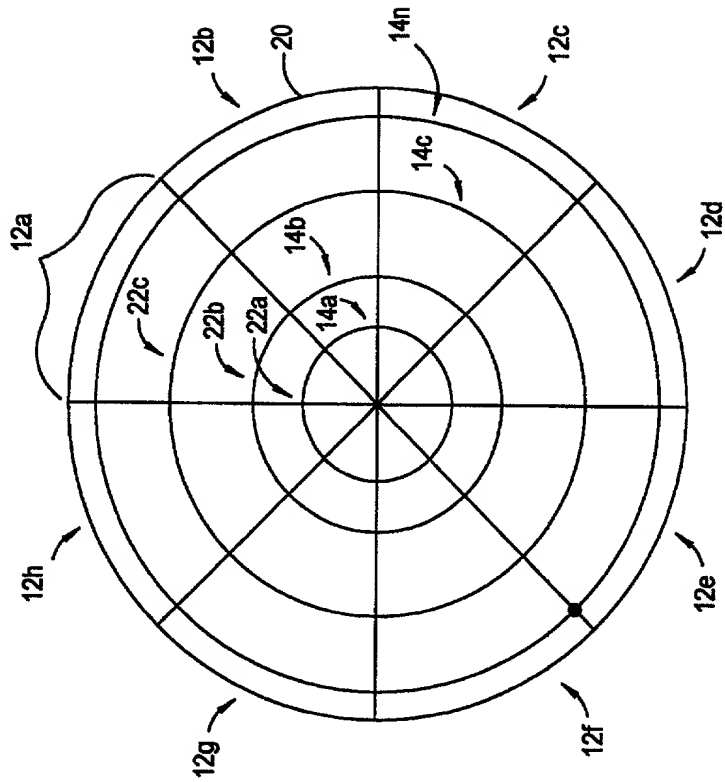
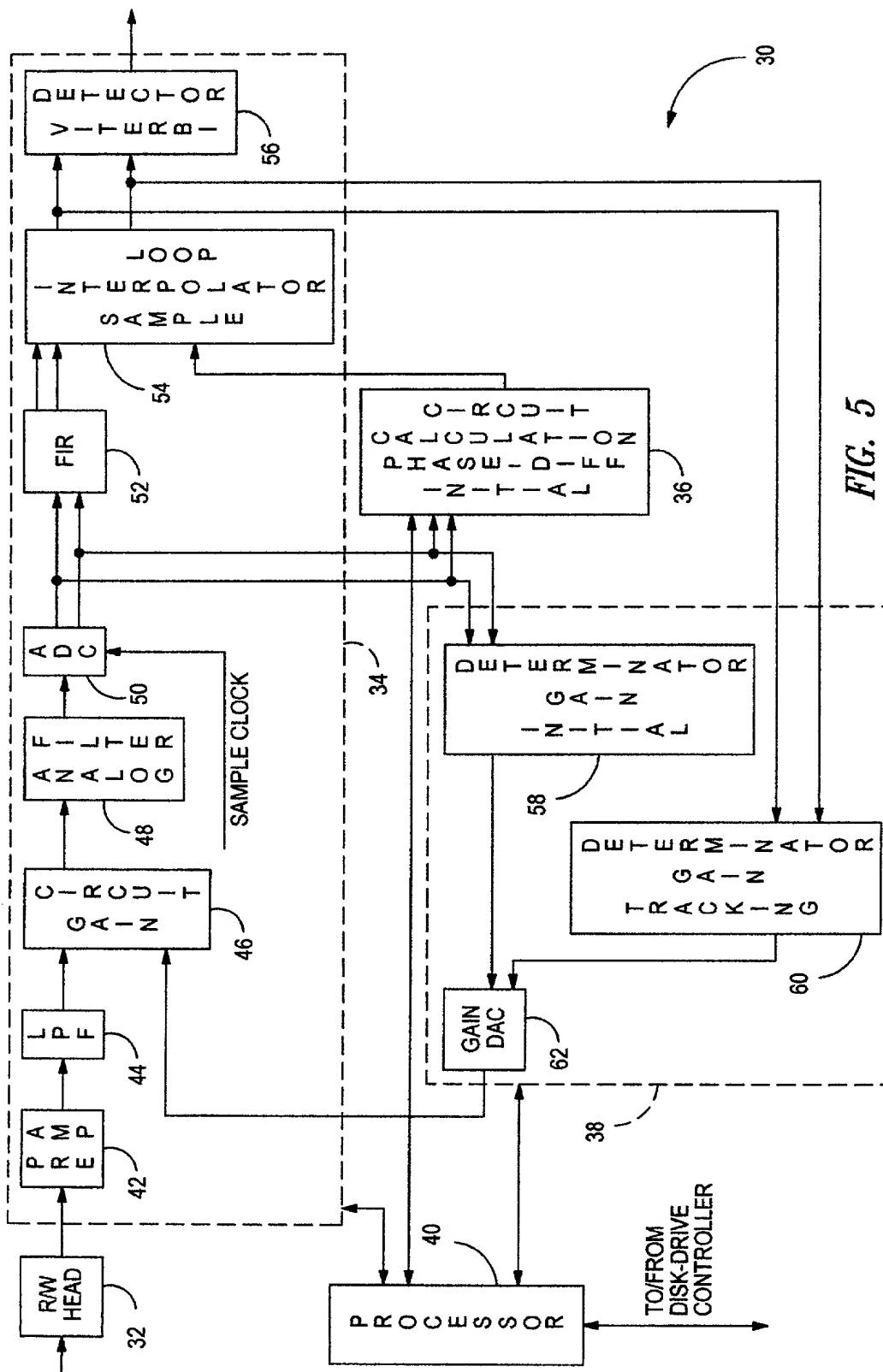


FIG. 4



**FIG. 5**

22a

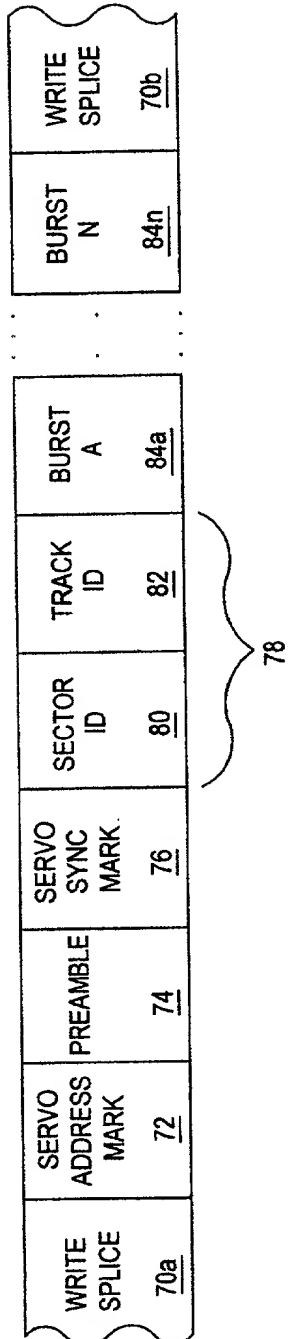


FIG. 6

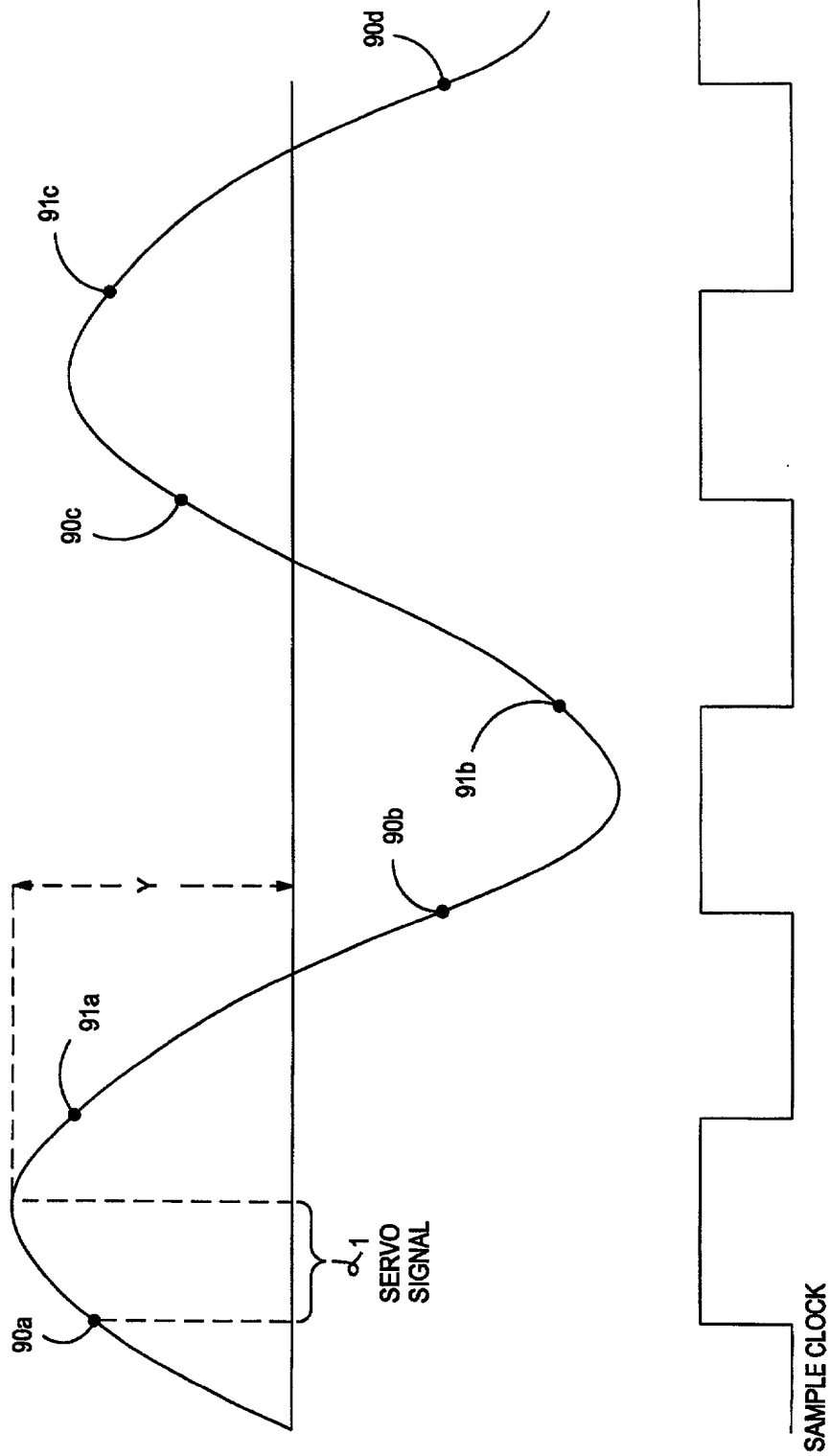


FIG. 7

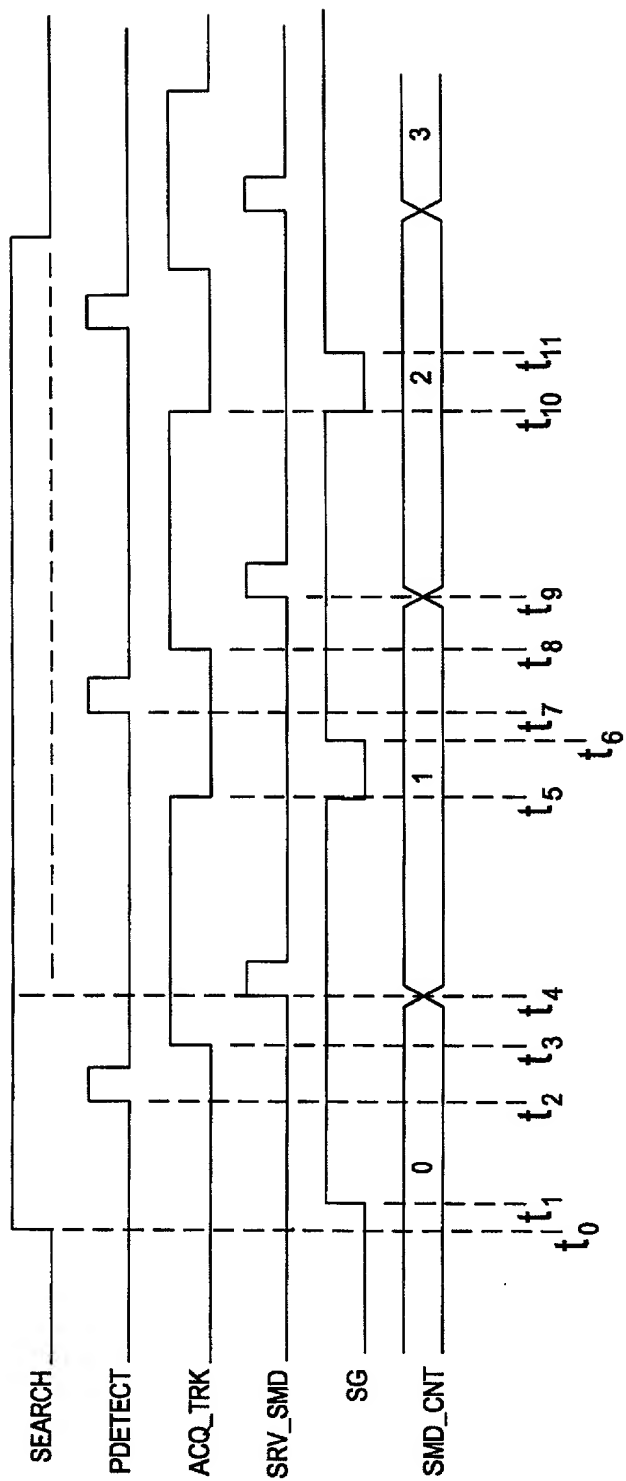


FIG. 8

FIG. 9 is a timing diagram showing the relationship between the SEARCH, PDETECT, ACQ\_TRK, SRV\_SMD, SG, and SMD\_CNT [3:0] signals. The diagram illustrates the sequence of events during a search and tracking process, with time intervals  $t_{12}$ ,  $t_{13}$ ,  $t_{14}$ , and  $t_{15}$  marked on the SMD\_CNT signal.

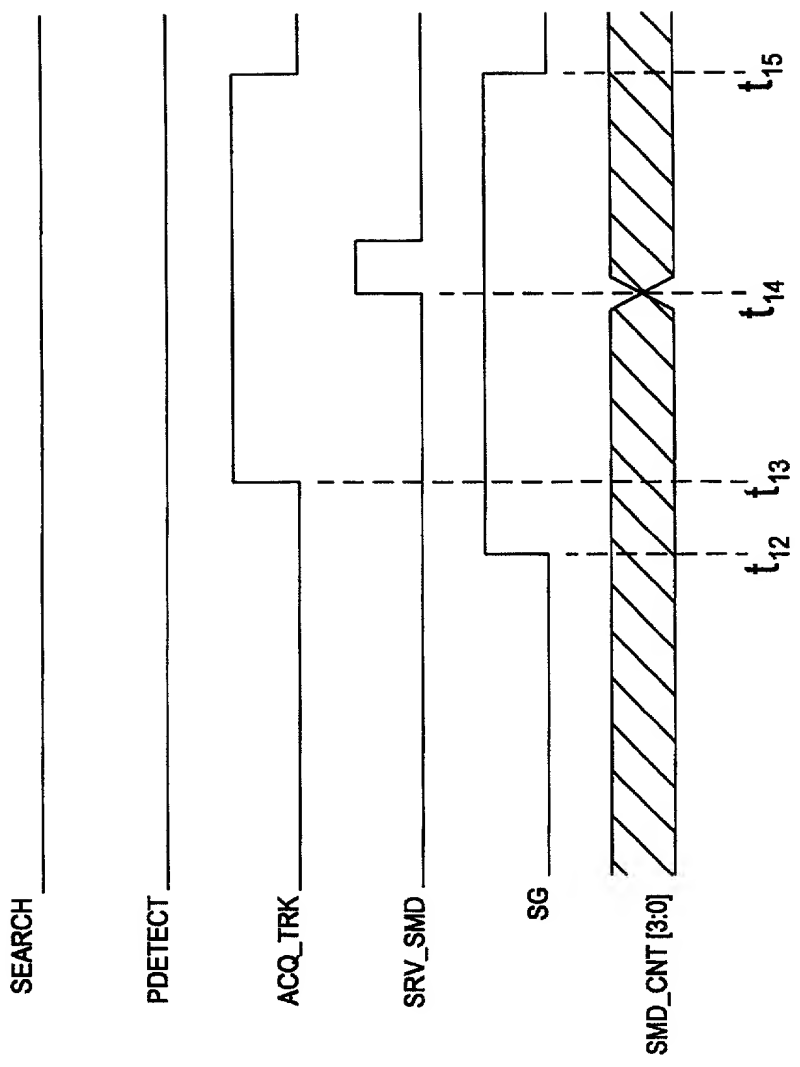
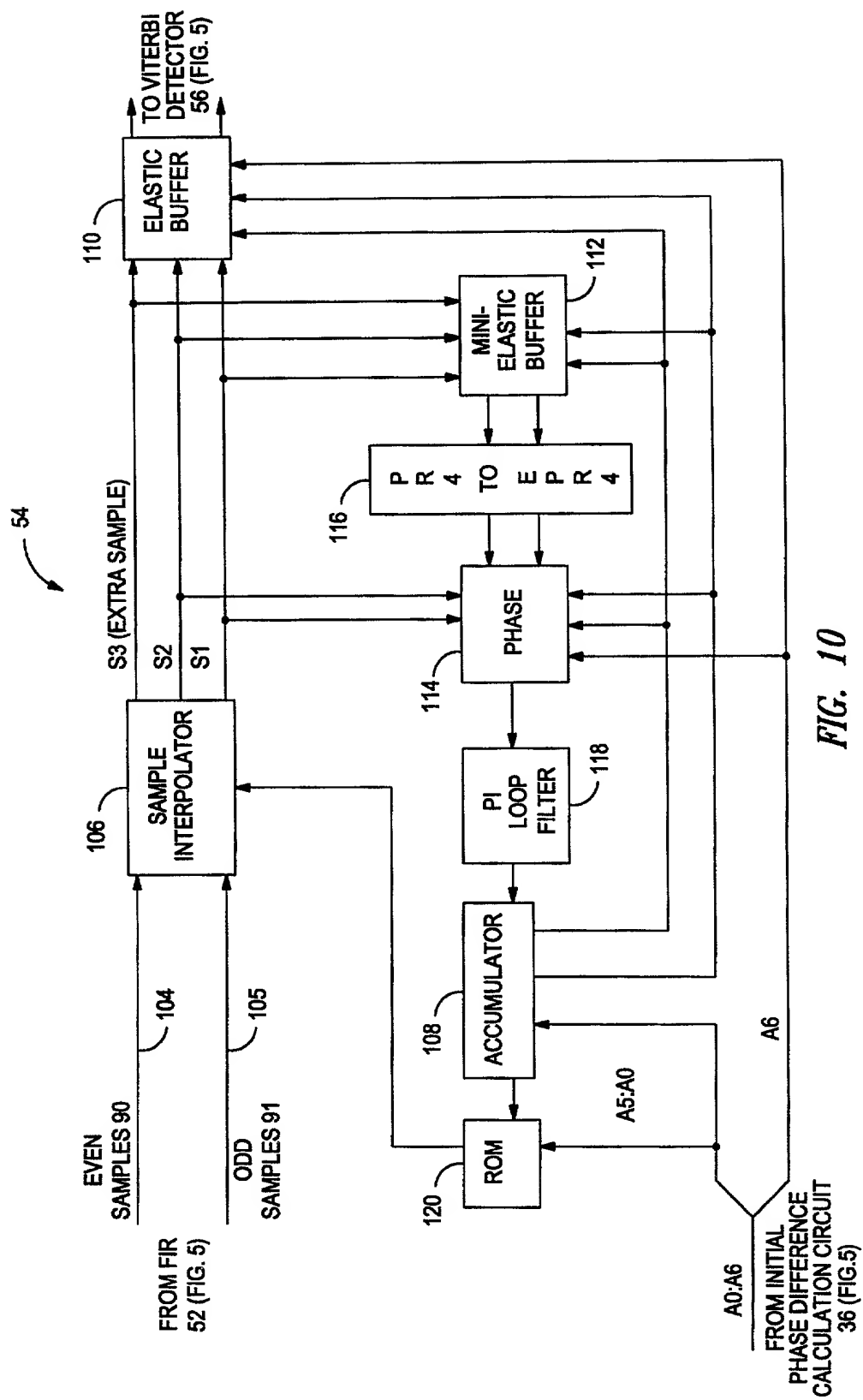


FIG. 9





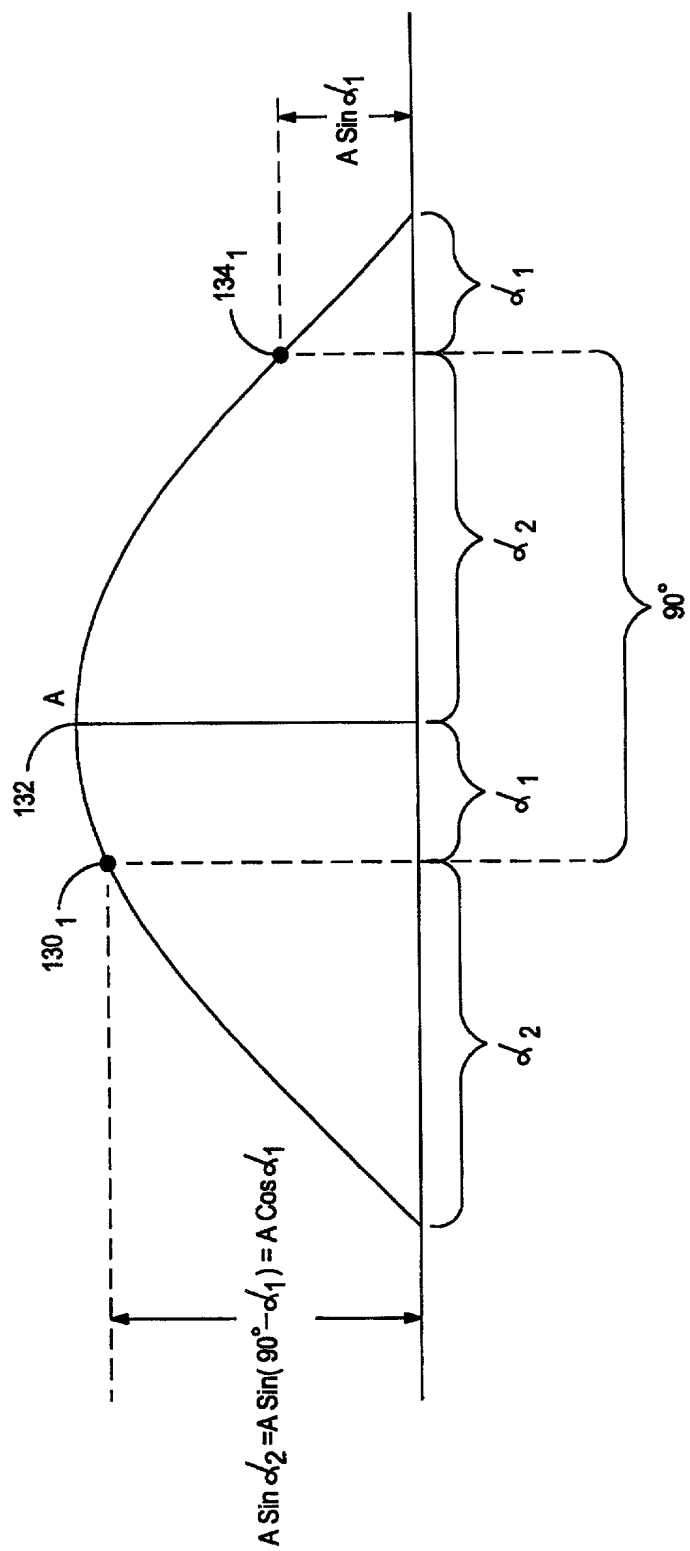


FIG. 11

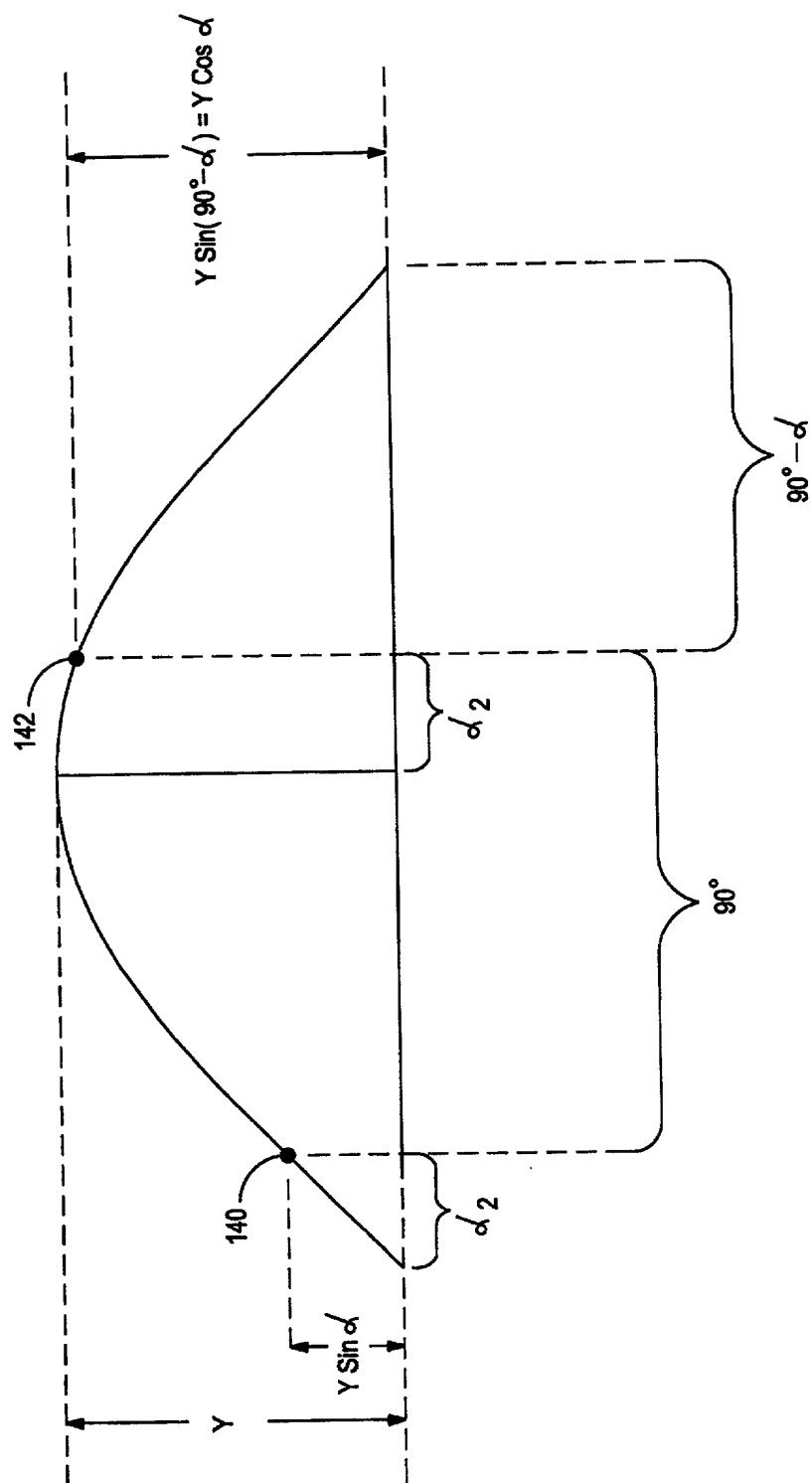


FIG. 12

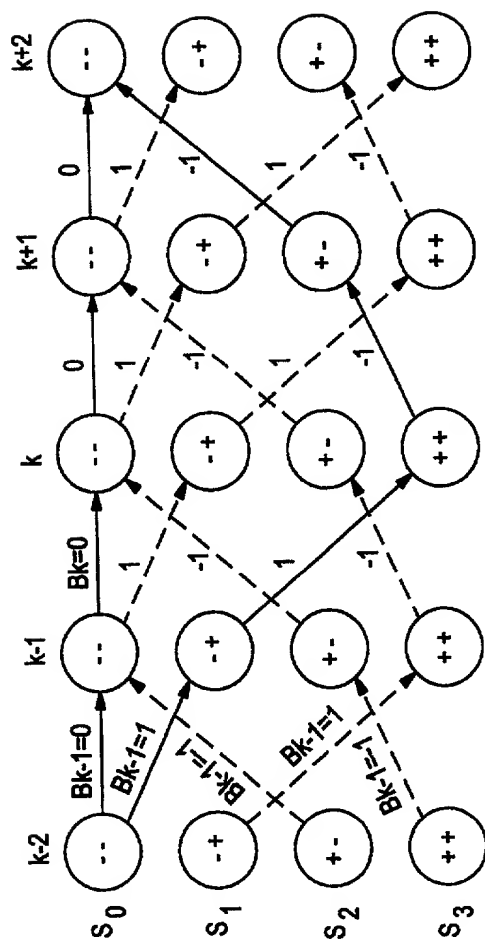
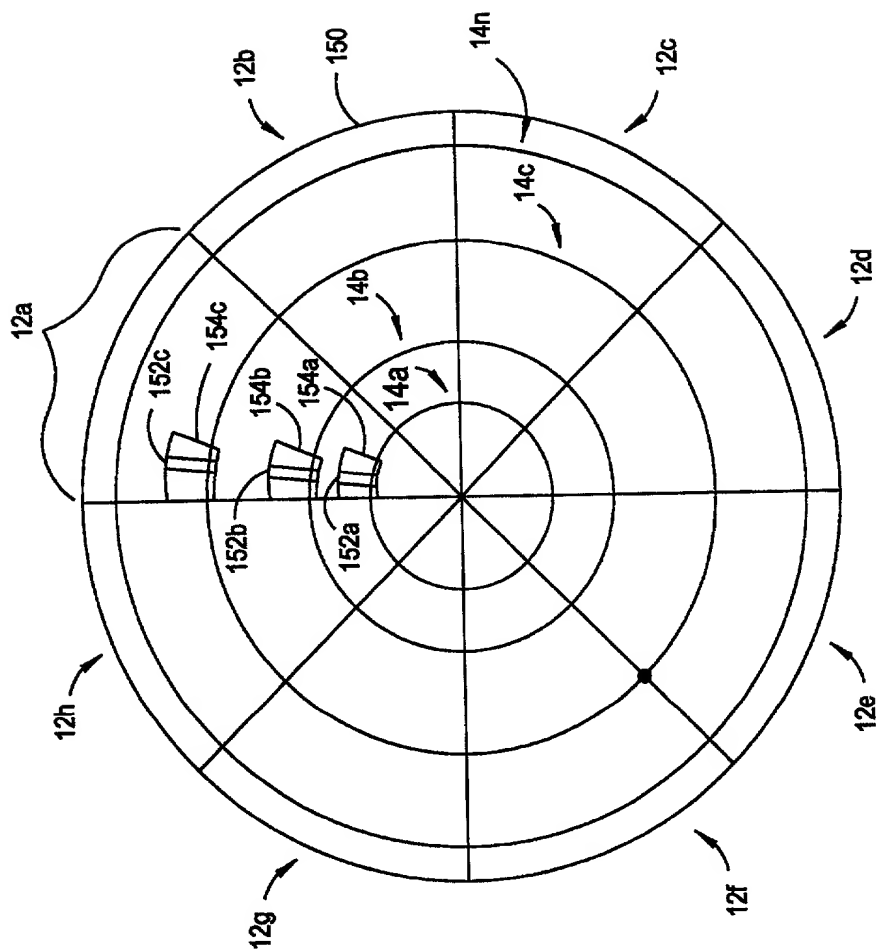


FIG. 13



FIG. 14



**FIG. 15**

154a

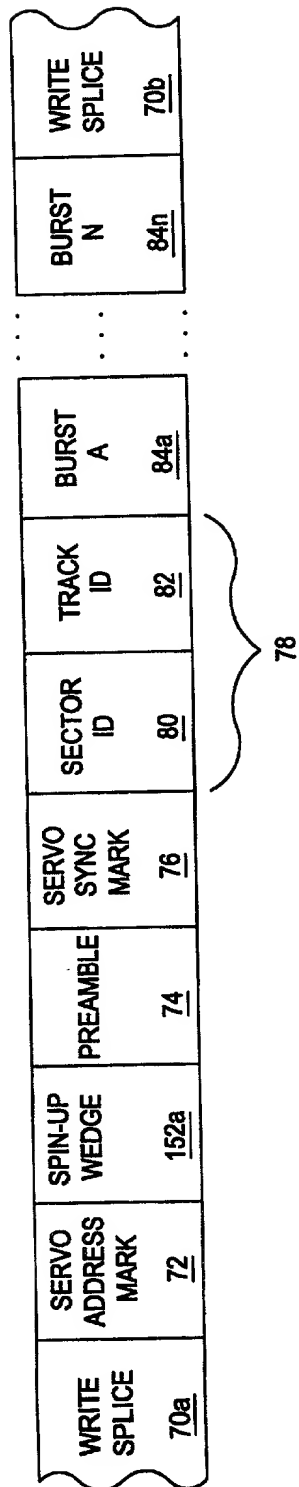


FIG. 16

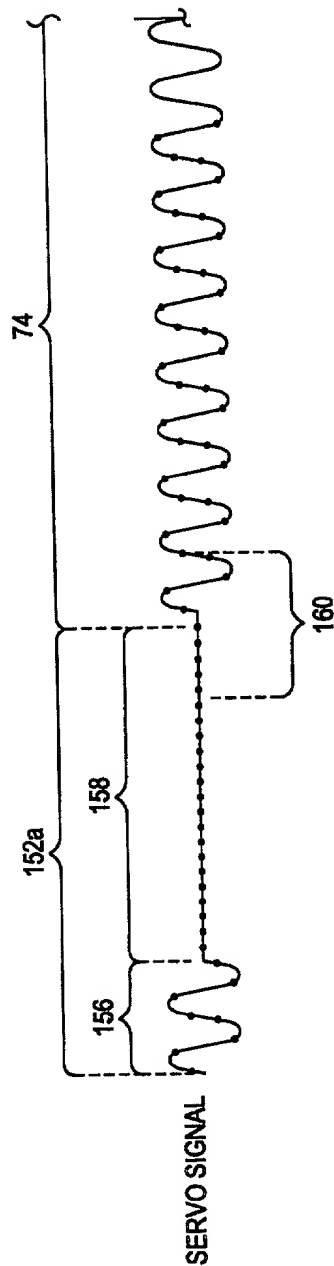


FIG. 17

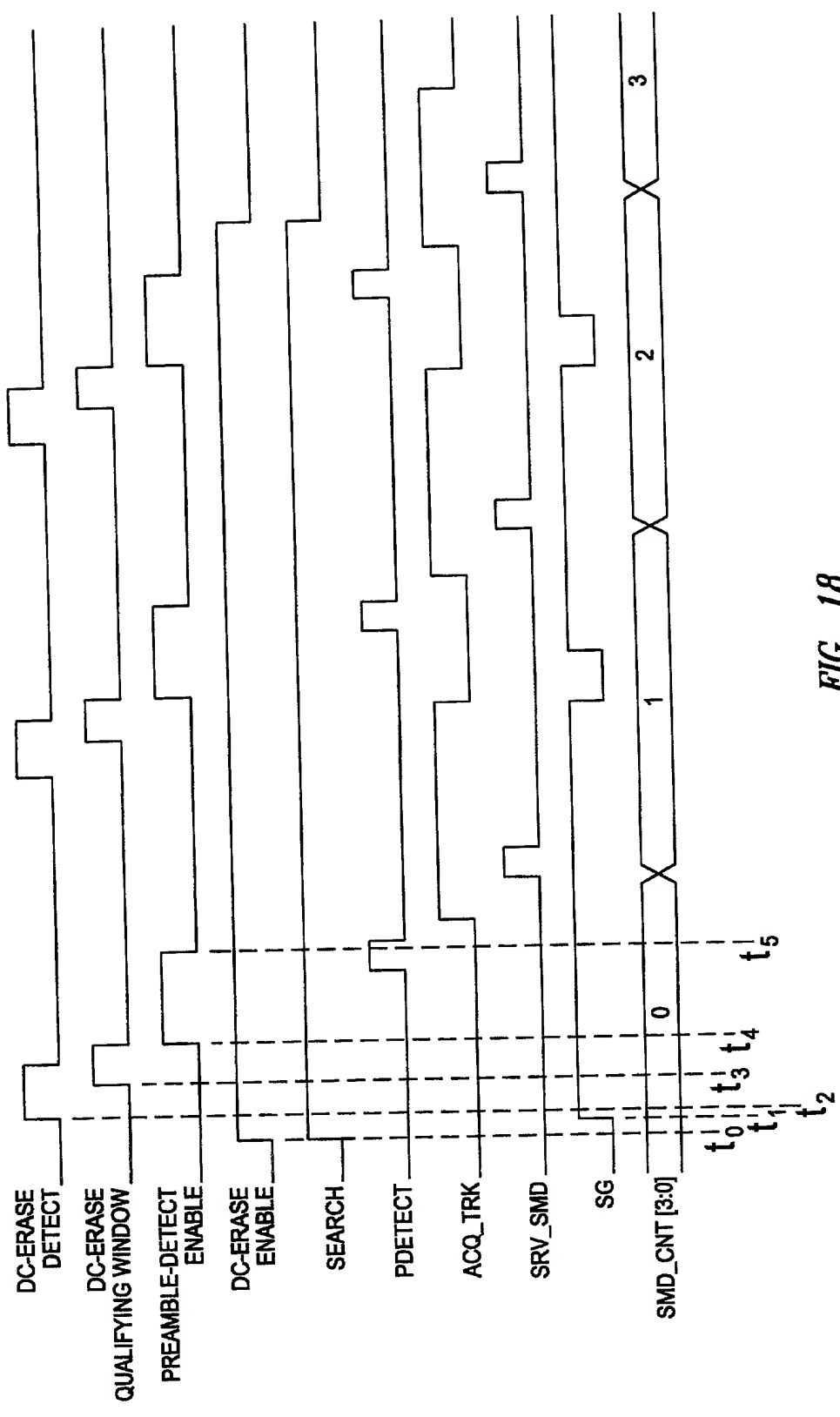


FIG. 18

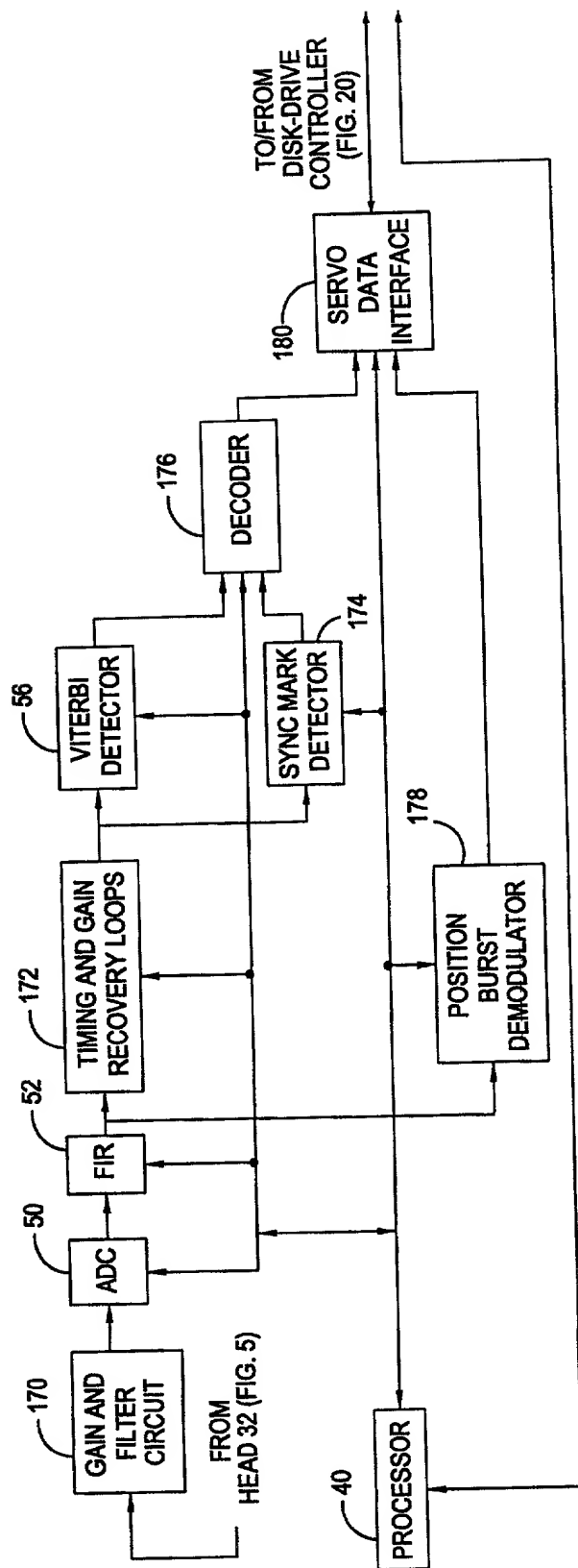


FIG. 19

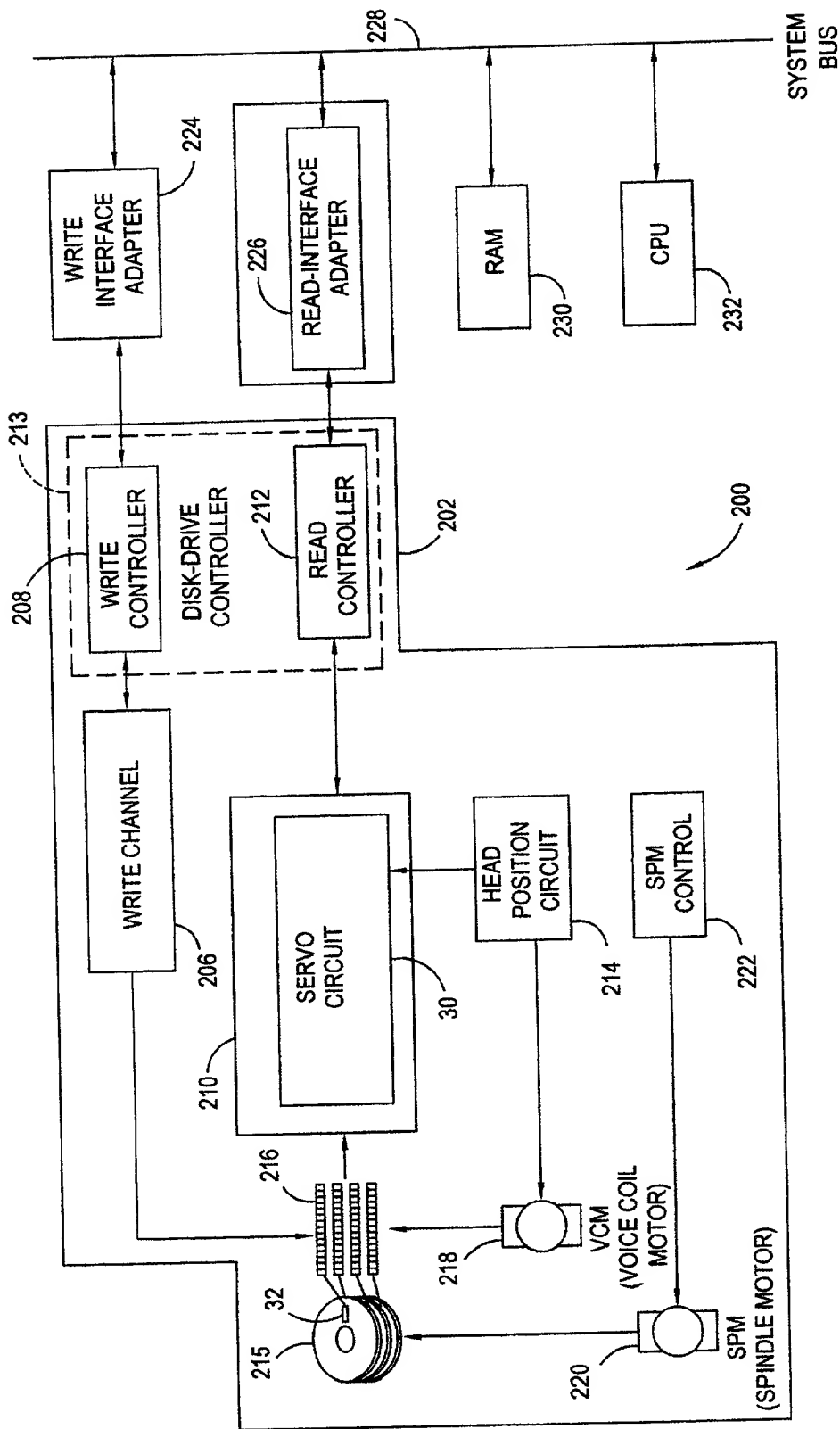


FIG. 20